

QY 284 IlePhePheAsnValSerGluLysAspTyrGlyAsnTyrCysValAsnSerIlys 300
 Db 1105 ARCKTCCTCAATGTCCTGAATGACTAAGGAAACATCTGCTGGCTCCACAG 1164
 QY 301 LeuGlyHisThrAsnAlaSerIleMetLeuIleGlyProGlyAlaValSerGluValSer 320
 Db 1165 CTAGGCCACCAATGCAGATCATCTATGGCTCAAGCGCTCAAGGAGGTGAGC 1224
 QY 321 AsnGlyThrSerGagAlaGlyCysValTripleuProlenuValLeuIleLeu 340
 Db 1225 AACGAACTCGAGGGAGGGAGGCTGCTGCTGCTGCTGCTGCTGCTG 1284
 QY 341 LeuLeuIlePhe 344
 Db 1285 CTCTCAATT 1295

RESULT 10

RNU16845 RNU16845 RNU16845 2040 bp mRNA linear ROD 26-MAY-1995
 DEFINITION Rattus norvegicus neurotramin mRNA, complete cds.
 ACCESSION U16845
 VERSION U16845.1 GI:755184
 KEYWORDS
 SOURCE Rattus norvegicus (Norway rat)
 ORGANISM Rattus norvegicus (Norway rat)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae;
 Rattus.
 REFERENCE 1 (bases 1 to 2040)
 AUTHORS Struyk,A.P., Canoll,P.D., Wolfgang,M.J., Rosen,C.L., D'Eustachio,P.
 TITLE Cloning of neurotramin defines a new subfamily of differentially
 expressed neural cell adhesion molecules
 JOURNAL J. Neurosci. 15 (3 Pt 2), 2141-2156 (1995)
 MEDLINE 95199094
 PUBMED 7891157
 PUBLISHER 2 (bases 1 to 2040)
 AUTHORS Salzer,J.L.
 TITLE Direct Submission
 JOURNAL Center, 550 First Avenue, New York, NY 10016, USA
 FEATURES source
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ORIGIN

Alignment Scores:
 Pred. No.: 4.73e-95 Length: 2040
 Score: 2303.70 Matches: 326
 Percent Similarity: 71.22% Conservative: 13
 Best Local Similarity: 68.49% Mismatches: 4
 Query Match: 95.67% Indels: 133
 DB: 10 Gaps: 19

US-10-017-084A-523 (1-344) x RNU16845 (1-2040)

expressed neural cell adhesion molecules
J. Neurosci. 15 (3 Pt 2), 2141-2156 (1995)
MEDLINE
95198094
PUBMED
7891157
REFERENCE
2 (bases 1 to 2040)
AUTHORS
Salzer, J.L.
TITLE
JOURNAL
Submitted (02-NOV-1994) James L. Salzer, Cell Biology, NYU Medical
Center, 550 First Avenue, New York, NY 10016, USA
FEATURES
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/mol_type="mRNA"
/strain="Sprague-Dawley"
/db_xref="taxon:10116"
CDS
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/note="neuronal cell adhesion molecule"
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/product="neurotramin"
/protein_id="PAA67445.1"
/db_xref="GI:755185"
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UNYFPYIEAKGKGVPGQKGTKQCEASAVRSEAFQMKDDKDLIVEGRKGKVKVRNP
LSRLTFFENVSERHDYGNVTCVASNLGLHTNASIMLFGGADEVENNGTSRRAGCIWLP
LIVVHLILKF"

ORIGIN

Query Match 80.6%; Score 833.7; DB 10; Length 2040;
Best Local Similarity 85.7%; Pred. No. 0.0051; Mismatches 98; Indels 54; Gaps 14;
Matches 911; Conservative 0;

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Db	530	TCTTG---TCCTCA-----GGTG-CCTG-TC-CTCTTACCCAGGAGCTGG	575
Qy	93	GCGCAGGGAGATGCCACCTTCCCAGCTAGATGACCAAAGTGGCTGGCGAGGGGA	152
Db	576	GATGAGGGAGATGCCACCTTCCCAGCTAGATGACCAAAGTGGCTGGCGAGGGGA	635
Qy	153	GAGGCCAACCTCAGGTGATATTGACRACGGATACCCGGGGGGCTGGCTAAACG	212
Db	636	GAGGCCAACCTCAGGTGACATTACACCCGGGGCTGGCTAAACG	695
Qy	213	CAGCACCAATCTCTATGCTGGAAAGCAAGATGGCGCGAATCTCGCTGGCTCT	272
Db	696	CAGTACCATCTCTATGCTGGAAAGCAAGATGGCTGCTAGATCCCTGGCTCT	755
Qy	273	GAGCAACCAACAGGACTCAGGTGGATGAGCTGGAAACTGGATGCTGATGAGGG	332
Db	756	GAGTAAACCCGACCAAGTACGTTGAGTCTGAGTCACTGGCTGAGTGGAGGG	815
Qy	333	CCCTTACCTGCTGGCAGACAGAACCAAGACTCTAGGTCACTCAT	392
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Qy	393	TGGCAAGTATCCGAATATGAGATTCTGAGATACTCTGATTAATGAGGGA	452
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Qy	453	CAATATAGCTTACCGCATGAACTGGTAGACGAGACGACTTACGGTTCTGGAGACA	512
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RESULT 14

RNU16845 RNU16845 2040 bp mRNA Linear ROD 26-MAY-1995
LOCUS DEFINITION Rattus norvegicus neurotramin mRNA, complete cds.
ACCESSION U16845
VERSION U16845.1 GI:755184
KEYWORDS
SOURCE
ORGANISM Rattus norvegicus (Norway rat)
Rattus norvegicus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
REFERENCE 1 (bases 1 to 2040)
AUTHORS Stryn, A.F., Cannell, P.D., Wolfgang, M.J., Rosen, C.L., D'Eustachio, P.
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